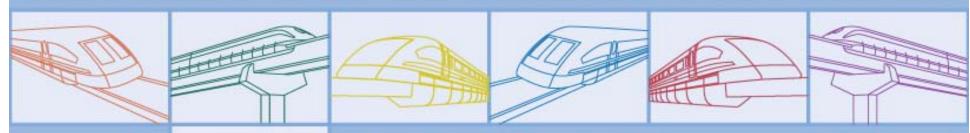


MAGLEV DEPLOYMENT PROGRAM





SOUTHERN CALIFORNIA ASSOCIATION OF GOVERNMENTS

June 8, 2006







SCHEDULE OF UPCOMING PRESENTATIONS

- ✓ April 2006 System Overview/Design Approach
- ✓ May 2006 Discussion of Alignment Design
- June 2006 Reviews of Station Concepts/MF
- July 2006 Summary of IOS Design
- August 2006 Summary of Costs/Next Steps





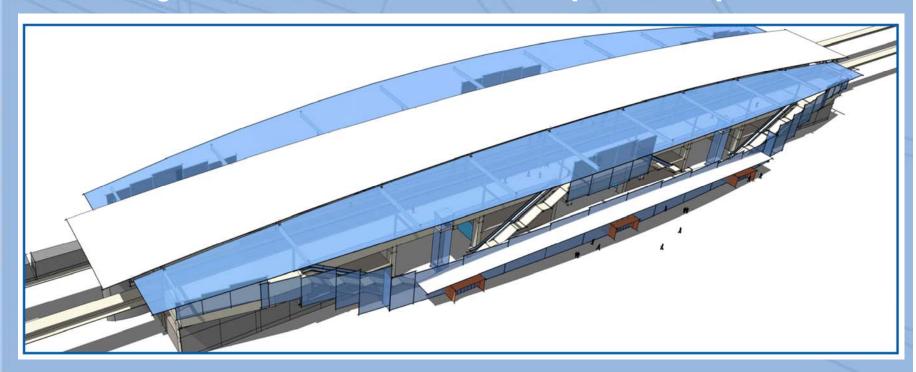




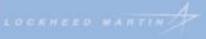


TODAY'S FOCUS

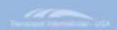
- Stations and Maintenance Facility
 - Four stops along the IOS: ONT, SGV, LAUPT, WLA
 - Four station configurations, two maintenance facilities
 - Design assumes 6-car trains with expansion capabilities





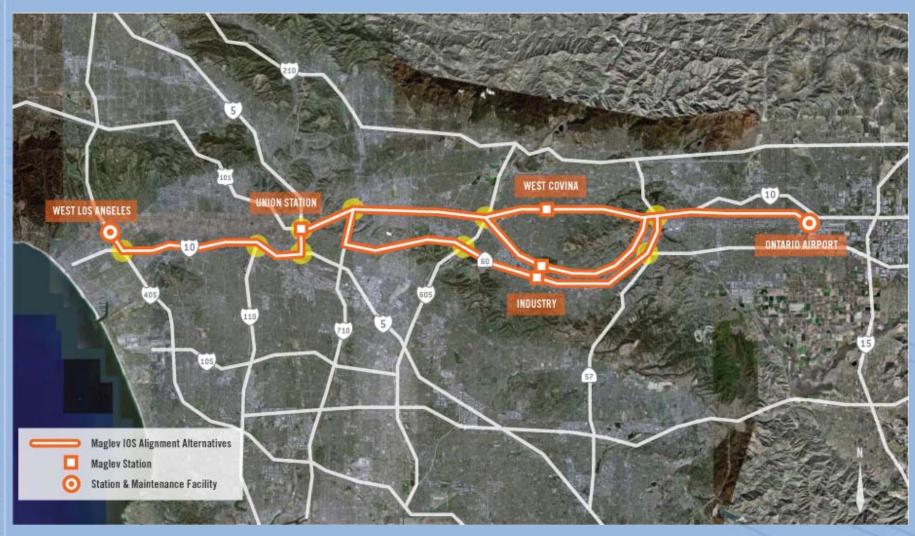








IOS CORRIDOR – WEST LA TO ONTARIO







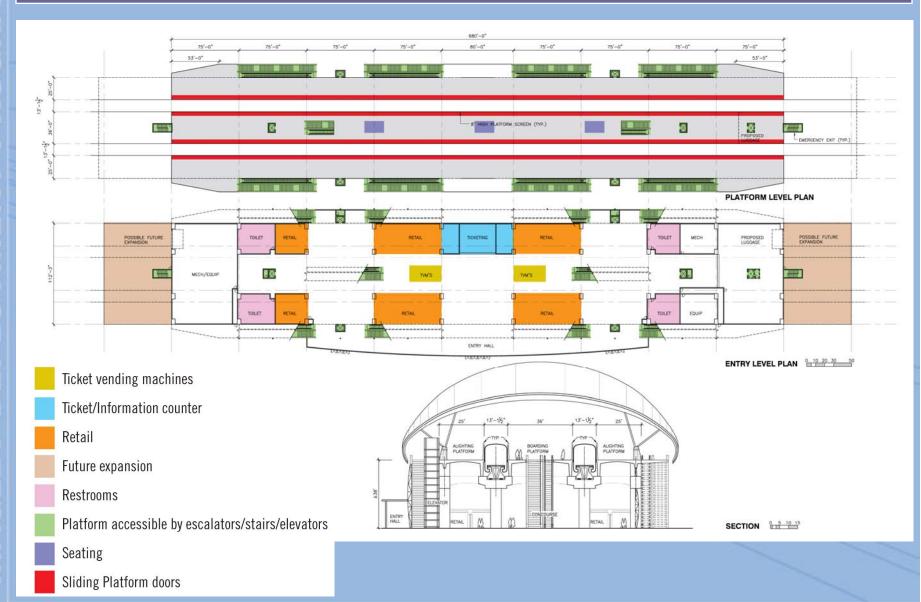






000 20 ൨ -

CENTER-SIDE PLATFORM TYPICAL STATION





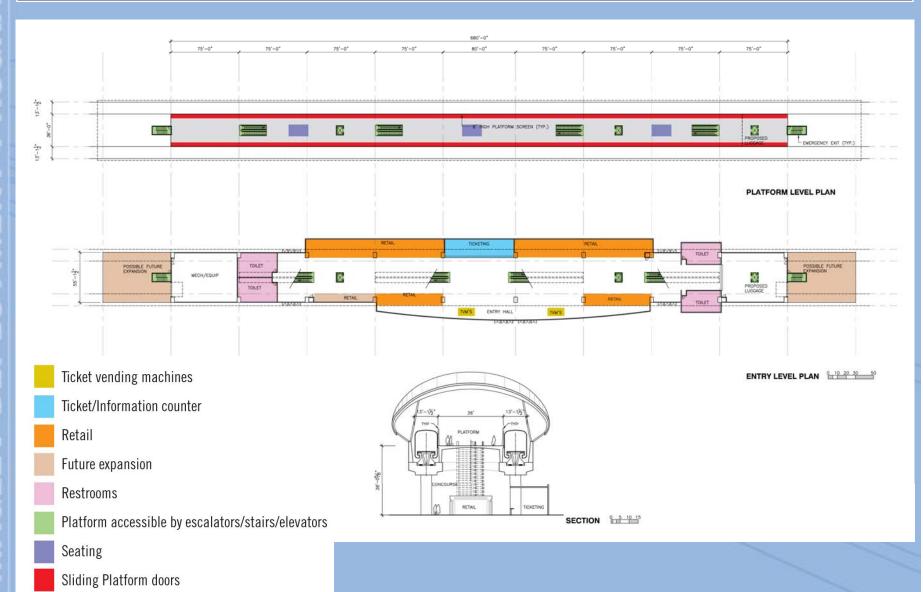








SIDE PLATFORM TYPICAL SECTIONS













STATION DESIGN APPROACH

- Design Different types used to fit the function
- Minimize right of way requirements, ability to interface with adjacent land use
- Provide parking but multimodal in design
- Streamlined, modular and open design reflects modern technology, materials and movement
- Modules to handle ticketing, concessions, baggage handling capabilities











ONTARIO AIRPORT STATION



















































PARKING MATRIX – ONTARIO AIRPORT

Parking Structure	Floor Plate	Floors	Total
Bldg A			
Levels 1 - 4	124,408	4	497,632
Level 5	110,940	1	110,940
Level 6	97,472	1	97,472
Total			706,044
Bldg B			
Levels 1 - 4	129,220	4	516,880
Level 5	115,752	1	115,752
Level 6	102,284	1	102,284
Total			734,916
Bldg C			
Levels 1 - 4	167,102	4	668,408
level 5	140,166	1	140,166
level 6	113,230	1	113,230
Total			781,638
Grand Total			2,222,598
Area per car	375		5,927
Parking Required			5,781









WEST COVINA STATION (OPTION 1)





























































PARKING MATRIX – WEST COVINA (1)

Parking Str	ructure Floor Plate	Floors	Total
Bldg A Levels 1 - 5	5 47,248	6	283,488
Bldg B Levels 1 - 5	38,255	6	229,530
Bldg C Levels 1 - 5	5 138,903	6	833,418
Bldg D Levels 1 - 5	5 94,677	6	568,062
Bldg E Levels 1 - 5	5 78,914	6	473,484
Grand Total	al		2,387,982
Area per o			6,368 6,618







WEST COVINA STATION (OPTION 2)













































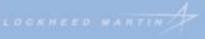




PARKING MATRIX – WEST COVINA (2)

Parking Structure	Floor Plate	Floors	Total
Bldg A			
Levels 1 - 3	99,847	3	299,541
Levels 4 - 5	48,301	2	96,602
Total			396,143
Bldg B	0.4.50.4		000 (00
Levels 1 - 3	94,534	3	283,602
Levels 4 - 5	41,145	2	82,290
Total			365,892
Plda C			
Bldg C Levels 1 - 5	48,977	5	244,885
Levels 1 - 5	40,7//	3	244,003
Bldg D			
Levels 1 - 5	85,636	5	428,180
2010131	00,000	Ü	420,100
Bldg E			
Levels 1 - 5	94,677	6	568,062
	35.000		
Bldg F			
Levels 1 - 5	78,914	6	473,484
			- 2,
Grand Total			2,476,646
Area per car	375		6,604
Parking Required			6,618



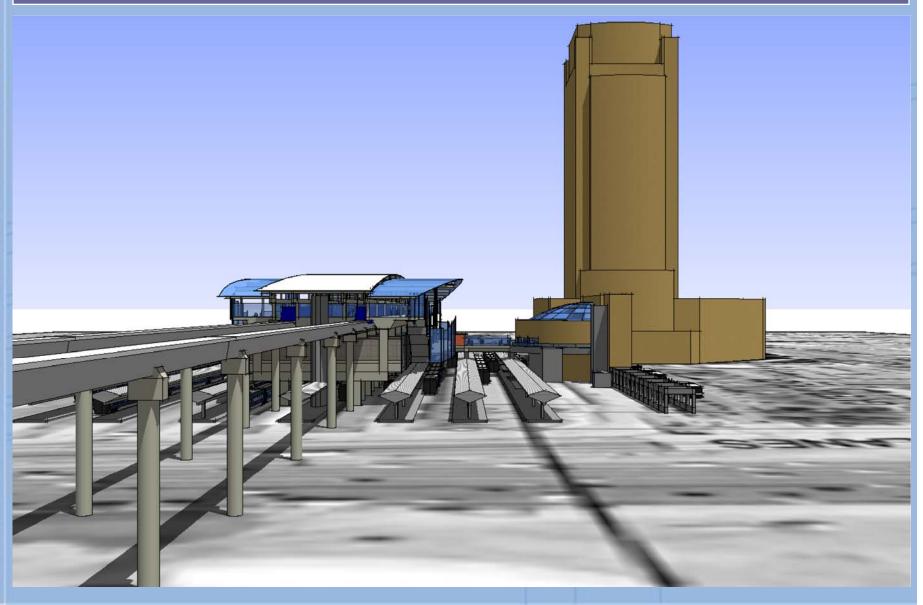








LOS ANGELES UNION PASSENGER TERMINAL STATION



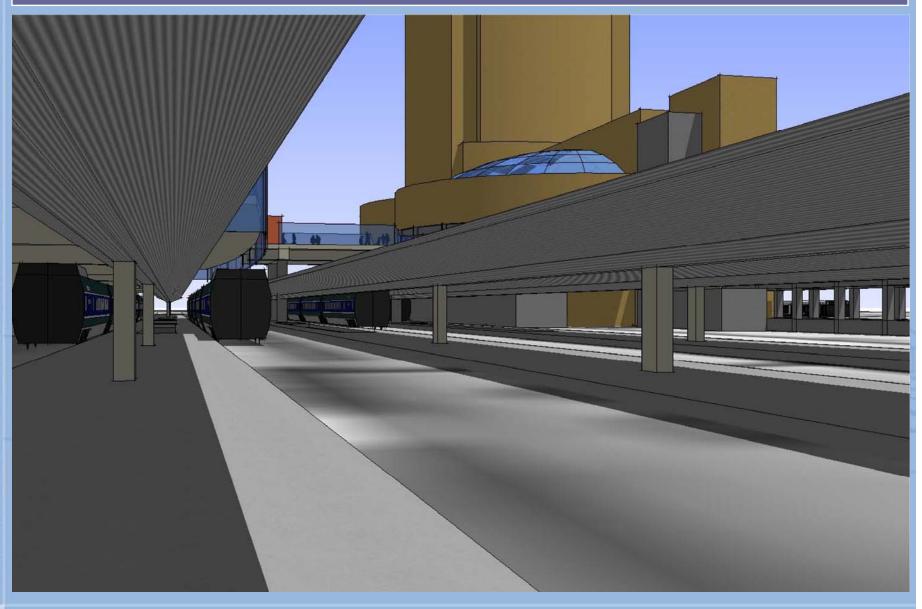








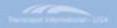




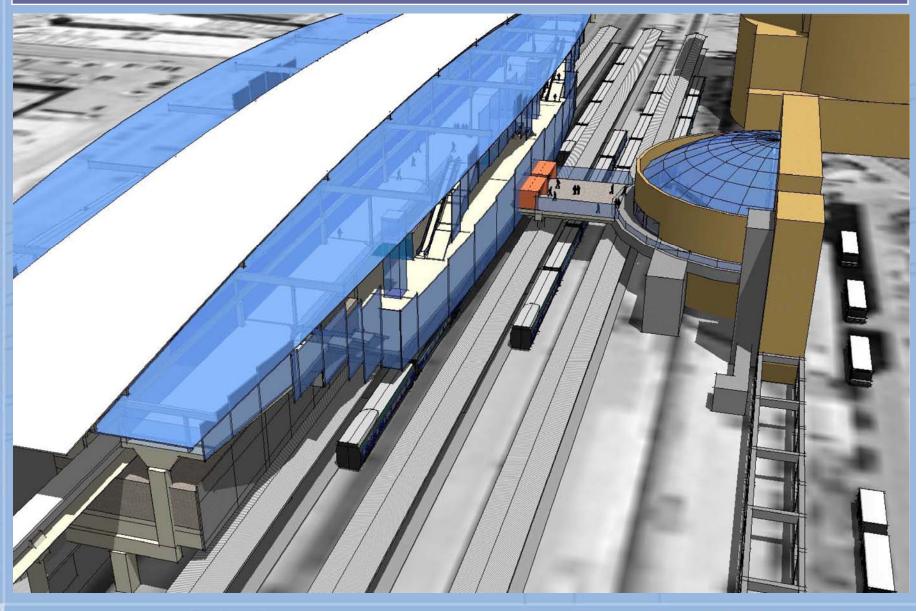












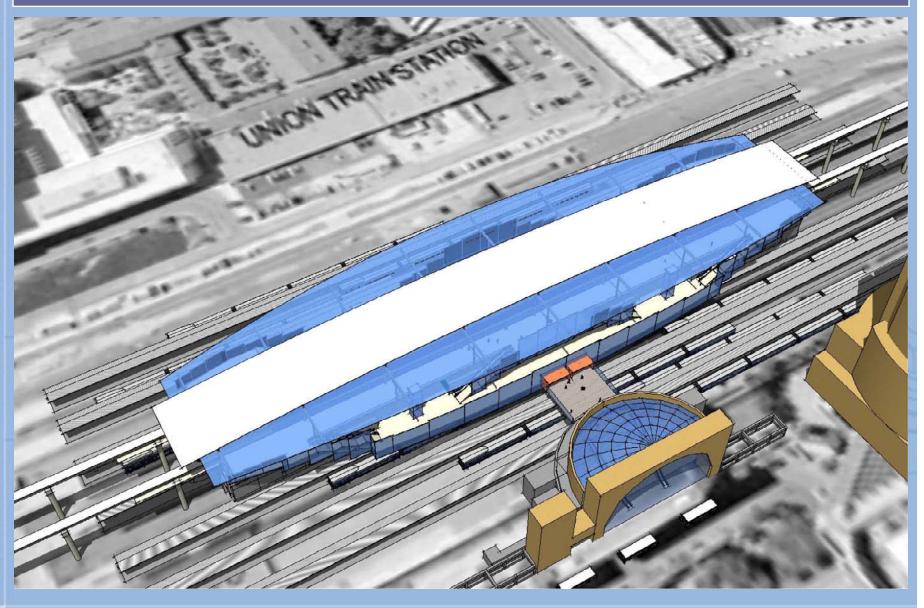












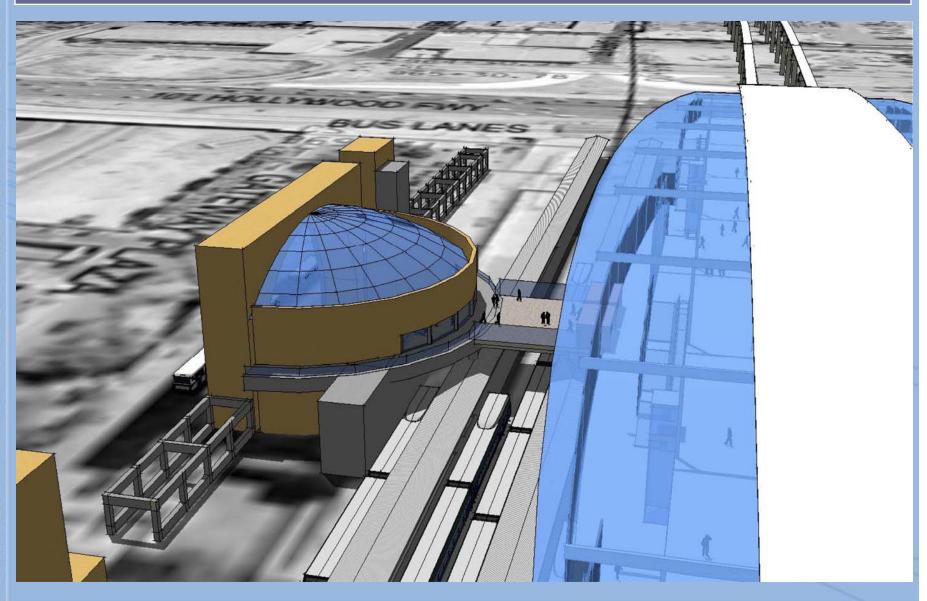








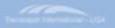




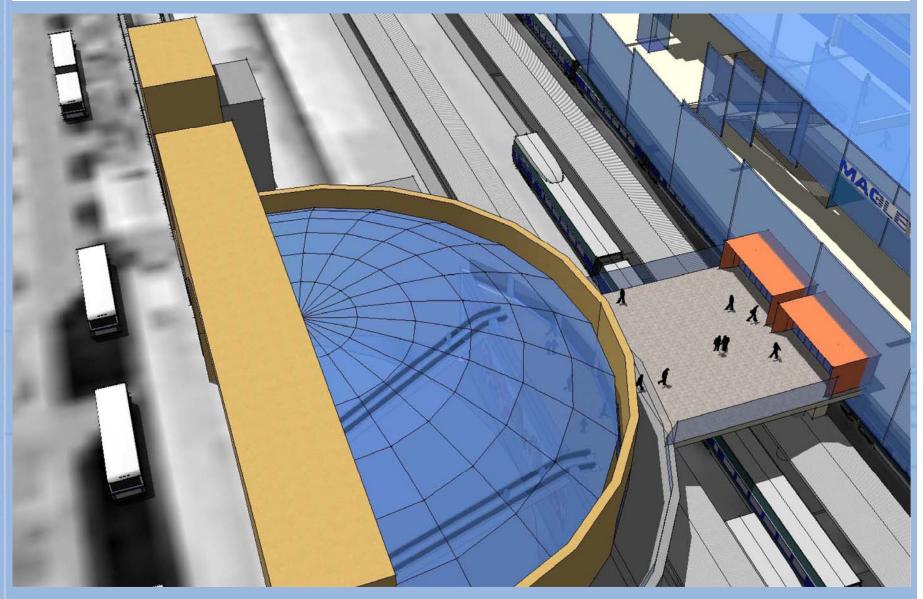












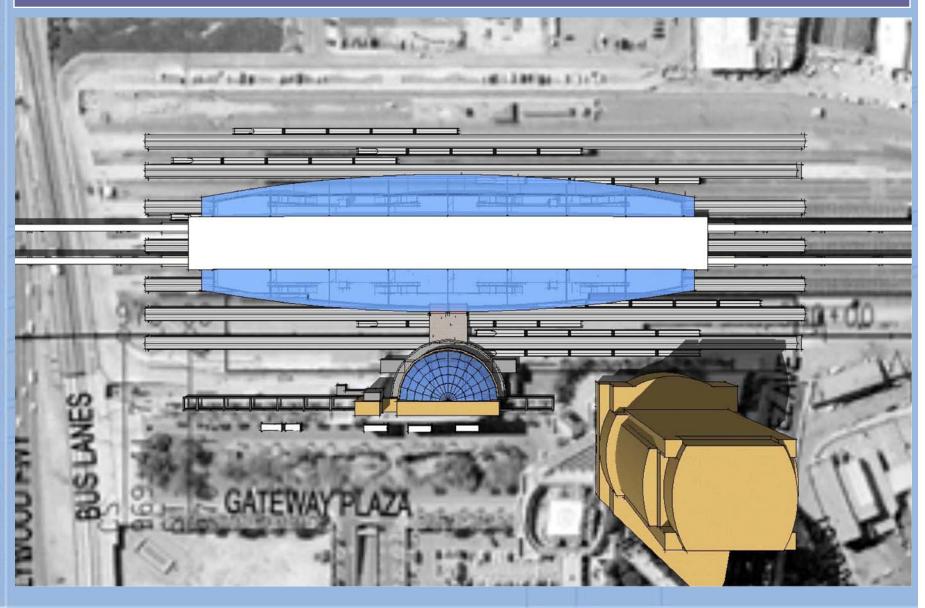






















WEST LOS ANGELES STATION (OPTION 1)















































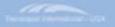














WEST LOS ANGELES STATION (OPTION 2)





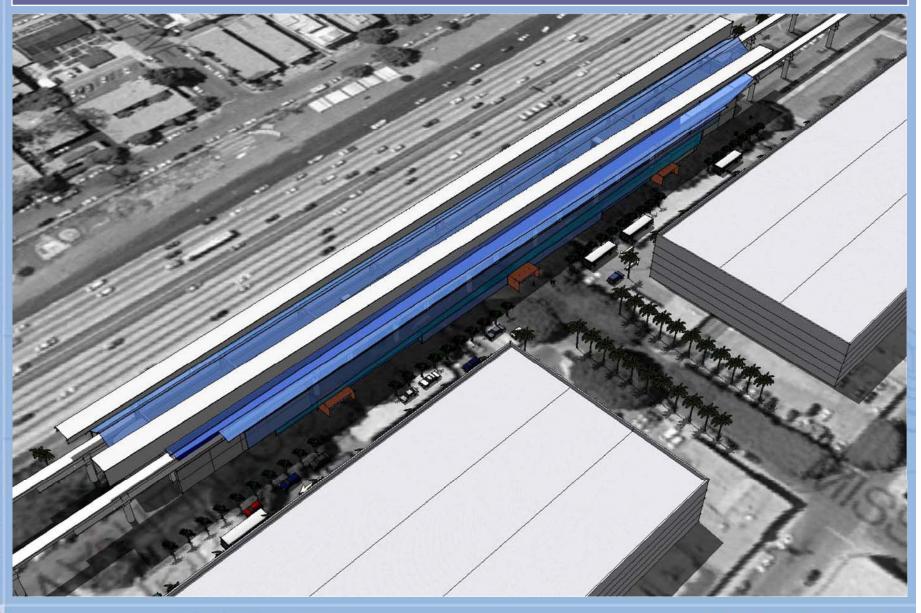








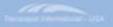
STATION LAYOUT AND ASSOCIATED FACILITIES – WEST LA (2)





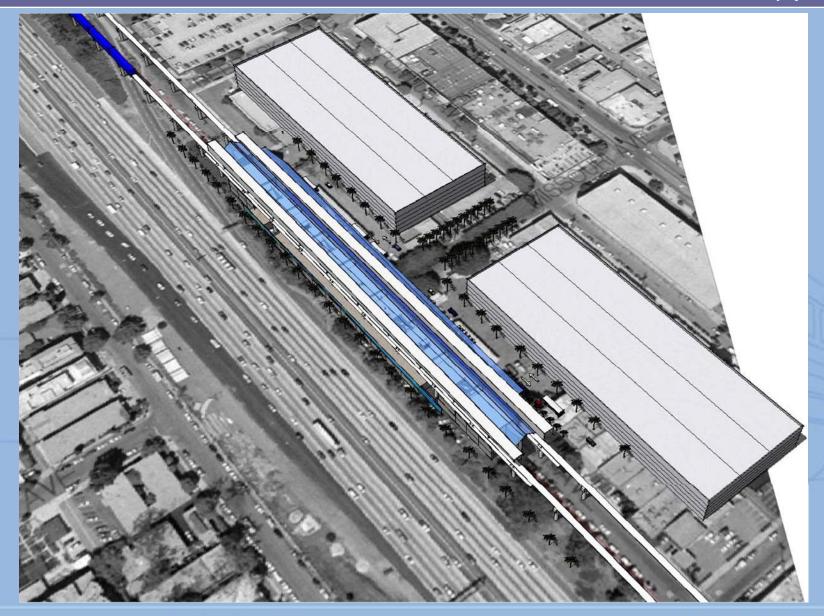








STATION LAYOUT AND ASSOCIATED FACILITIES – WEST LA (2)













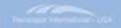
STATION LAYOUT AND ASSOCIATED FACILITIES – WEST LA (2)













WEST LOS ANGELES STATION (OPTION 2)





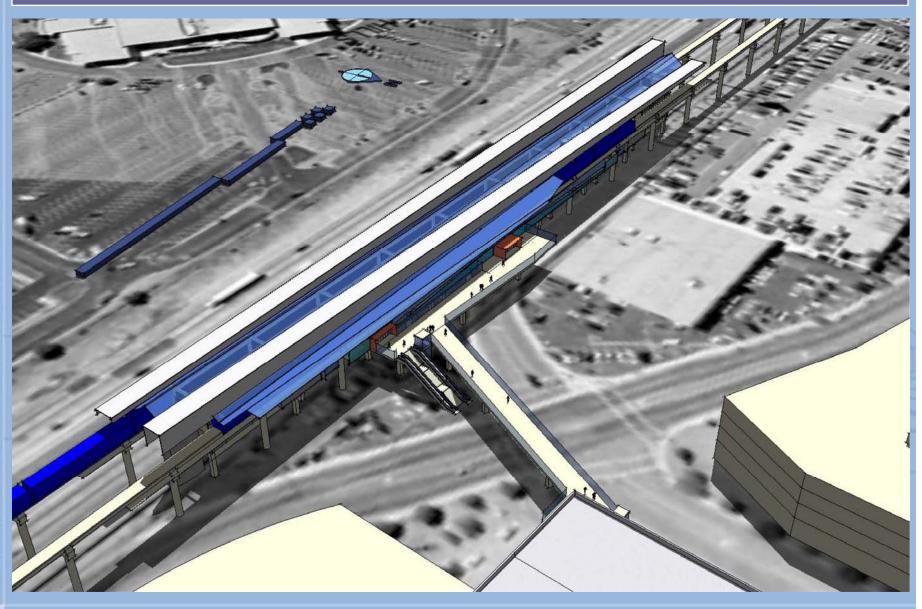








PUENTE HILLS STATION (SR-60 ALIGNMENT OPTION)















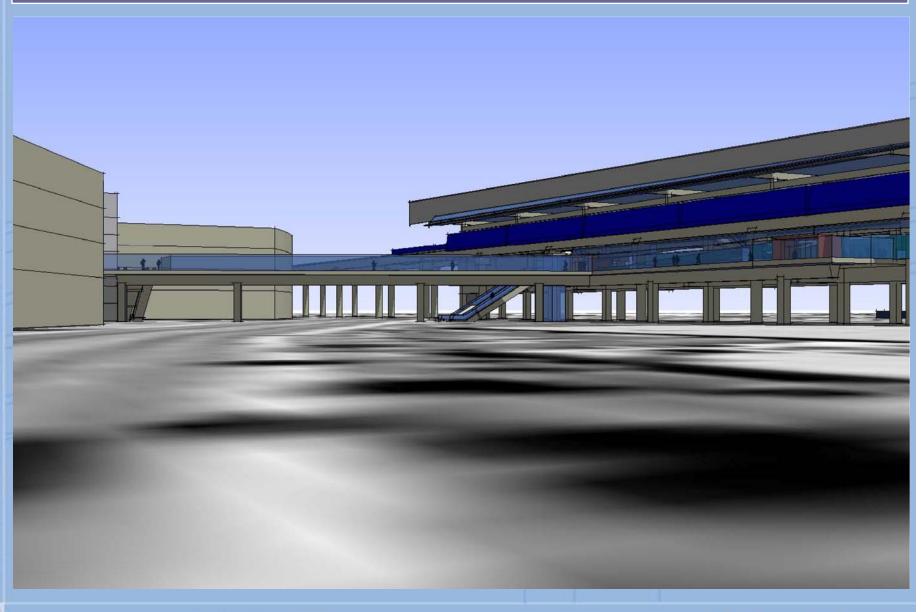












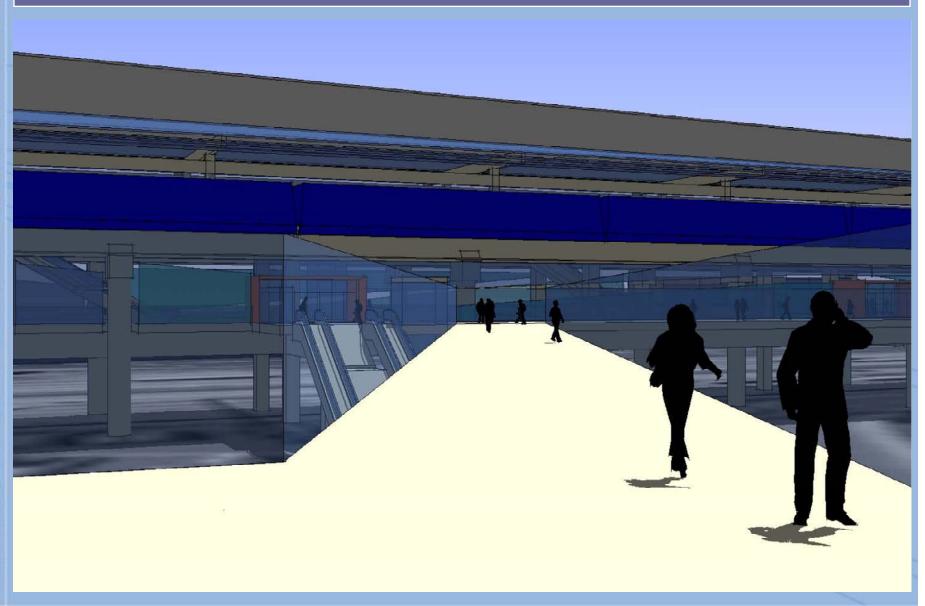
































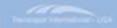


PARKING MATRIX – PUENTE HILLS

Parking Structure	Floor Plate	Floors	Total
Bldg A Levels 1 - 8	153,994	8	1,231,952
Bldg B Levels 1 - 8	155,336	8	1,242,688
Grand Total			2,474,640
Area per car Parking Required	375		6,599 6,591









CITY OF INDUSTRY (UPRR ALIGNMENT - OPTION 1)













STATION LAYOUT AND ASSOCIATED FACILITIES – CITY OF INDUSTRY (1)













STATION LAYOUT AND ASSOCIATED FACILITIES – CITY OF INDUSTRY (1)





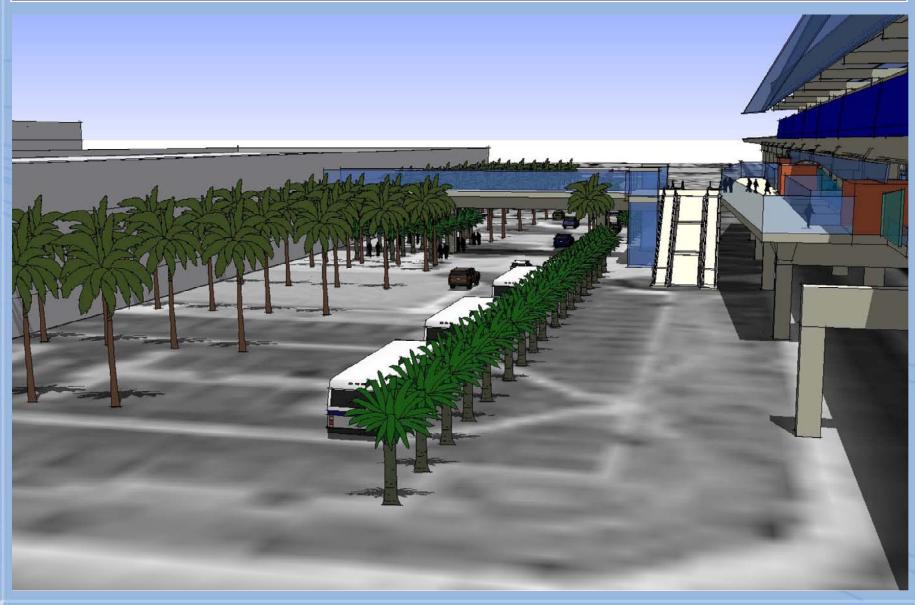








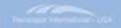
STATION LAYOUT AND ASSOCIATED FACILITIES – CITY OF INDUSTRY (1)













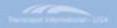
STATION LAYOUT AND ASSOCIATED FACILITIES - CITY OF INDUSTRY (1)













PARKING MATRIX – CITY OF INDUSTRY (1)

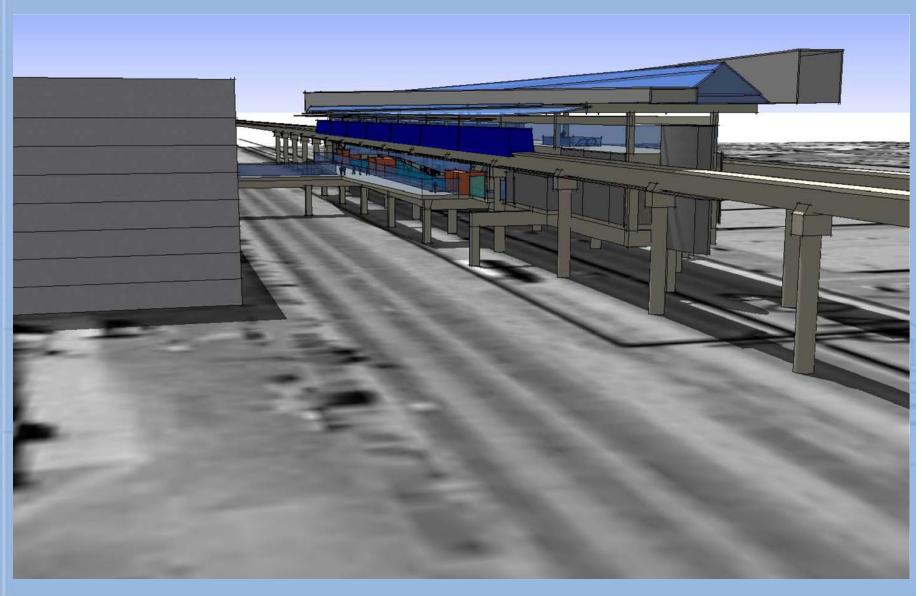
Parking Structure	Floor Plate	Floors	Total
Bldg A Levels 1 - 8	111,019	5	555,095
Levels 1 - 0	111,017	3	333,073
Bldg B			
Levels 1 - 3	154,607	2	309,214
Levels 4 - 5	135,653	2	271,306
Levels 6 - 7	145,130	2	290,260
Level 8	126,176	1	126,176
Total			996,956
Bldg C			
Levels 1 - 3	154,607	2	309,214
Levels 4 - 5	135,653	2	271,306
Levels 6 - 7	145,130	2	290,260
Level 8	126,176	1	126,176
Total			996,956
Grand Total			2,549,007
Area per car	375		6,797
Parking Required			6,591







CITY OF INDUSTRY (UPRR ALIGNMENT - OPTION 2)





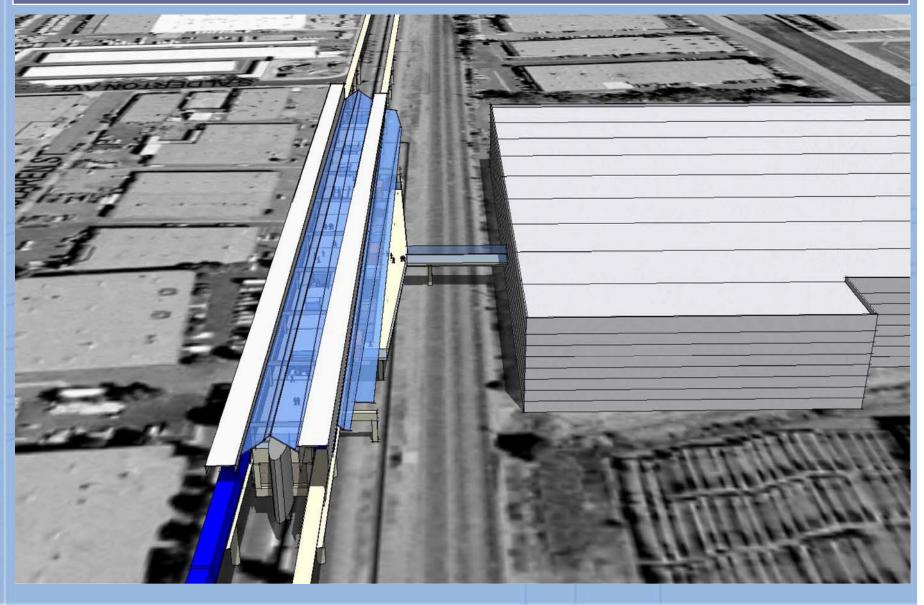








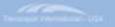
STATION LAYOUT AND ASSOCIATED FACILITIES - CITY OF INDUSTRY (2)













STATION LAYOUT AND ASSOCIATED FACILITIES – CITY OF INDUSTRY (2)













STATION LAYOUT AND ASSOCIATED FACILITIES – CITY OF INDUSTRY (2)













PARKING MATRIX – CITY OF INDUSTRY (2)

Parking Structure	Floor Plate	Floors	Total
Bldg A Levels 1 - 9	278,487	9	2,506,383
Grand Total			2,506,383
Area per car Parking Required	375		6,684 6,591





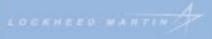




CITY OF INDUSTRY (UPRR ALIGNMENT- OPTION 3)





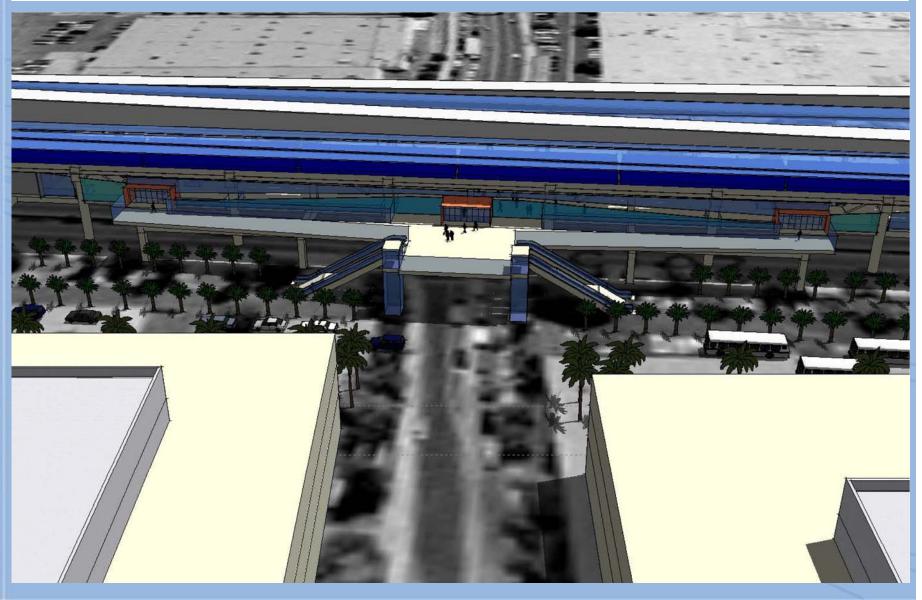








STATION LAYOUT AND ASSOCIATED FACILITIES – CITY OF INDUSTRY (3)





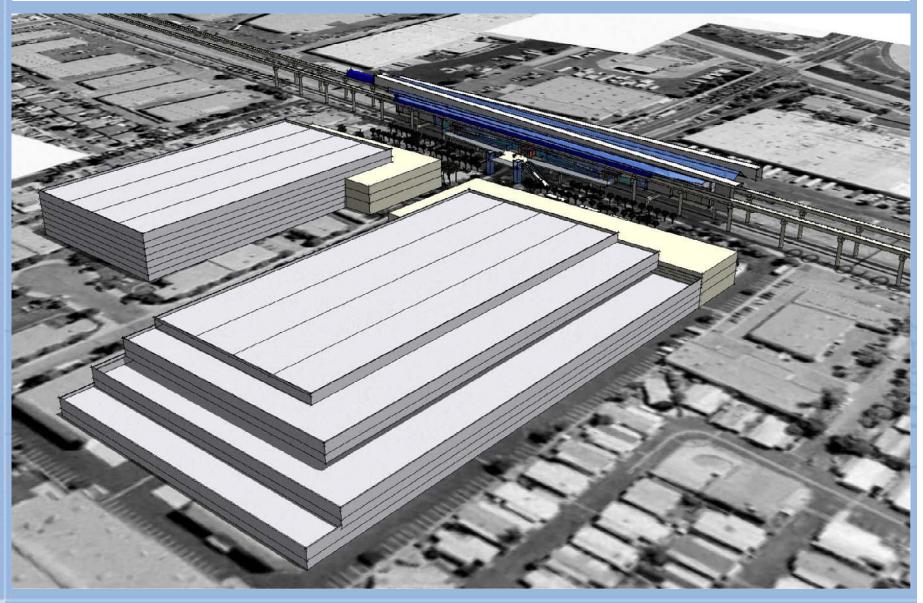








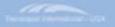
STATION LAYOUT AND ASSOCIATED FACILITIES – CITY OF INDUSTRY (3)





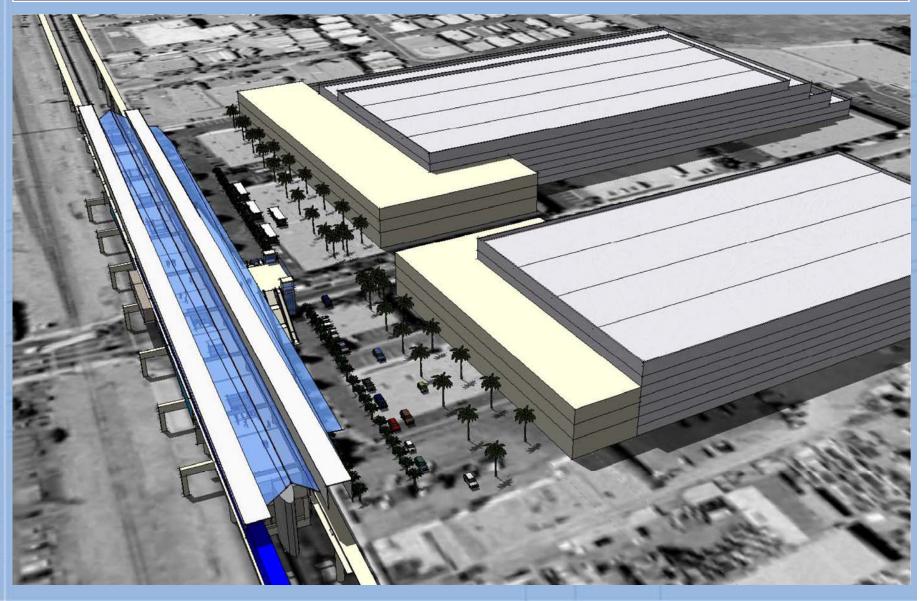








STATION LAYOUT AND ASSOCIATED FACILITIES - CITY OF INDUSTRY (3)





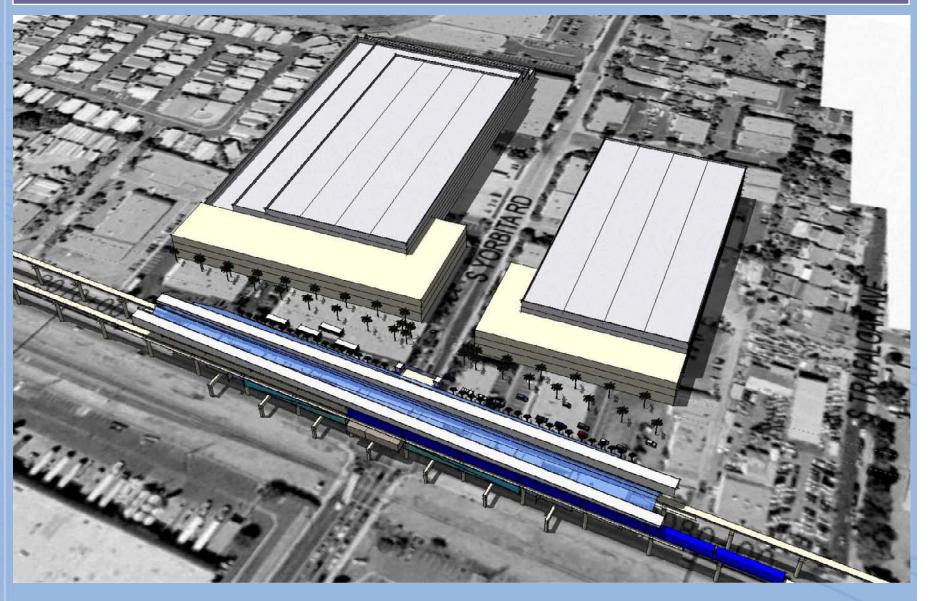








STATION LAYOUT AND ASSOCIATED FACILITIES – CITY OF INDUSTRY (3)





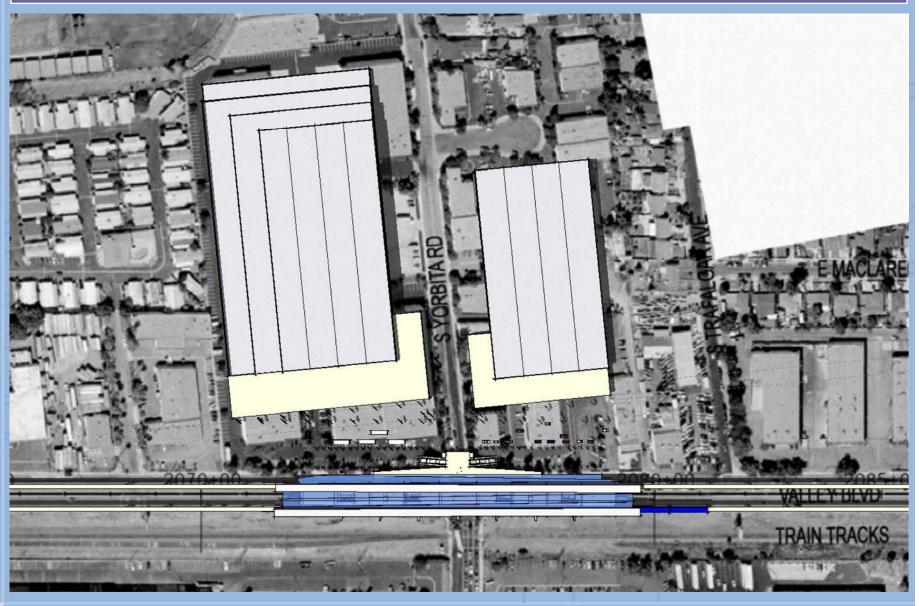








STATION LAYOUT AND ASSOCIATED FACILITIES - CITY OF INDUSTRY (3)













PARKING MATRIX – CITY OF INDUSTRY (3)

Parking Structure	Floor Plate	Floors	Total
Bldg A			
Levels 1-3	231,333	3	693,999
Level 4 - 5	217,098	2	434,196
Level 6 - 7	169,248	2	338,496
Level 8	126,437	1	126,437
Total			1,593,128
Bldg B			
Levels 1-8	134,740	8	867,326
Total			867,326
Grand Total			2,460,454
Area per car	375		6,561
Parking Required			6,591









CENTRAL MAINTENANCE FACILITY ACTIVITIES

- Scheduled Maintenance measures (all routes and vehicle equipment)
 - Inspection
 - Servicing
 - Overhaul
- Quick Exchange of Modules



- Repair Measures
- Vehicle Integration (after shipment)
- Exterior Surface Treatment (Painting)
- Vehicle Battery Maintenance
- Parking of Maglev and Maintenance Vehicles
- Vehicle Washing, Interior Cleaning
- Maintenance Management / Preparation of Maintenance Vehicles (nightly)
- Offices and Workshops
- Spare Parts and Equipment Storage









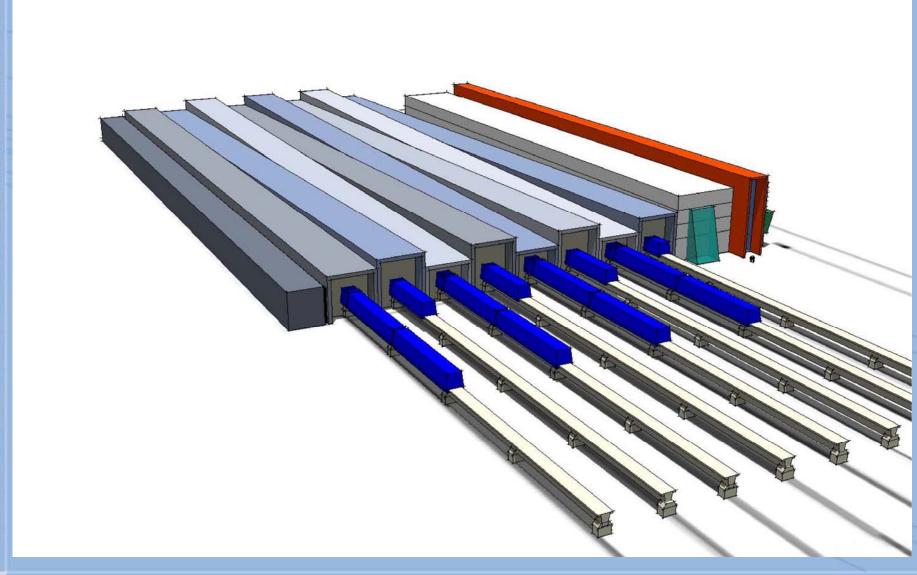








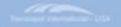
CENTRAL MAINTENANCE FACILITY













CENTRAL MAINTENANCE FACILITY





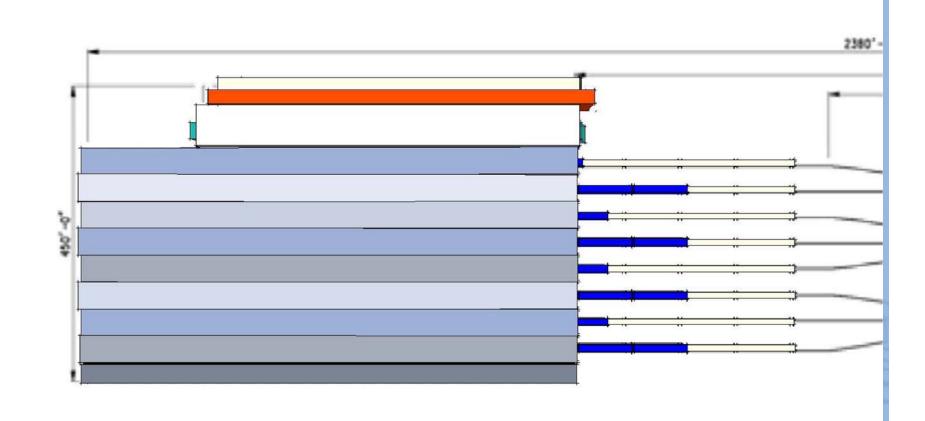




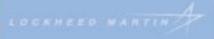




CENTRAL MAINTENANCE FACILITY













DECENTRAL MAINTENANCE FACILITY ACTIVITIES

- Scheduled Maintenance measures (vehicle only)
 - Inspection
 - Servicing
- Quick Exchange of Modules
- Unscheduled Maintenance Measures (short duration)
- Parking of Maglev and Maintenance Vehicles
- Preparation of Maintenance Vehicles (nightly)







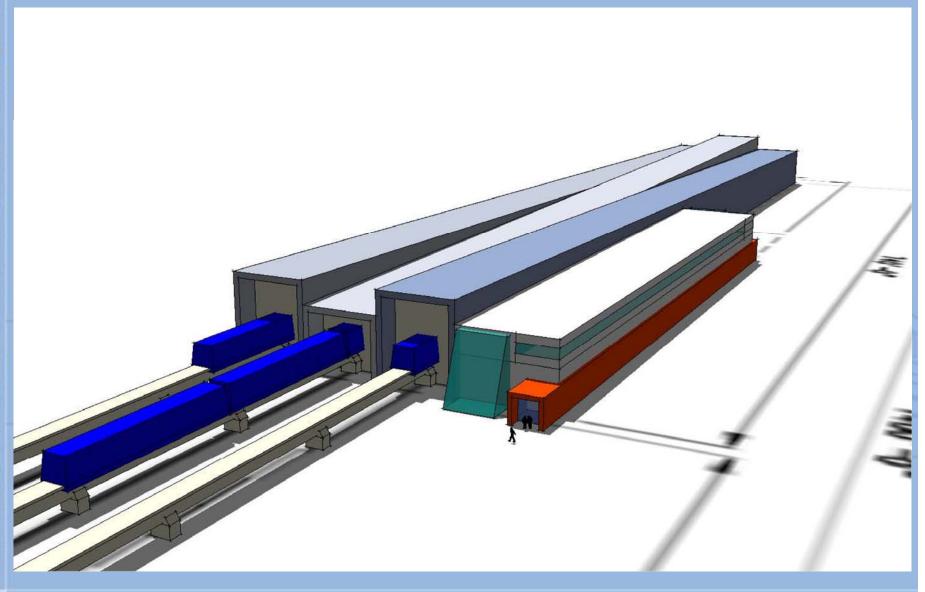








DECENTRAL MAINTENANCE FACILITY





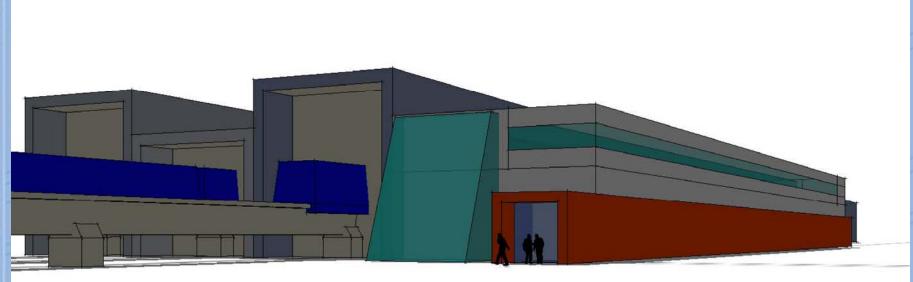








DECENTRAL MAINTENANCE FACILITY





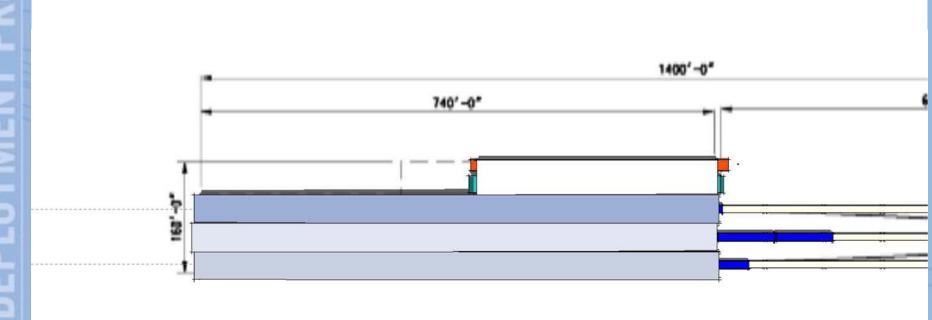








DECENTRAL MAINTENANCE FACILITY













MAINTENANCE FACILITY - CHINA













MAINTENANCE FACILITY - GERMANY





